



FIG. 1a

## HUMAN NEUROPEPTIDE Y (NPY) GENE

## EXON 1 (M14295)

1 cgcgttcttc aggcagtgcc tggggcggga ggggtggggt gtgggtggct ccctaagtgc  
61 acactcgtgc ggctgcggtt ccagcccccct ccccccgccca ctcaggggag ggaagtggcg  
121 ggtgggagtc acccaagcgt gactgcccga ggcccctcct gccgcggcga ggaagtcca  
181 taaaagccct gtcgcgaccc gctctctgca CCCCATCCGC TGGCTCTCAC CCCTCGGAGA  
241 CGCTCGCCCG ACAGCATAGT ACTTGCCGCC CAGCCACGCC CGCGCGCCAG CCACCGTGAG  
301 tgctacgacc cgtctgtcta ggggt

## EXON 2 (M14296)

1 cccgtccggt gagccttctg tgccctgcagA TGCTAGGTAA CAAGCGACTG GGGCTGTCCG  
61 GACTGACCCT CGCCCTGTCC CTGCTCGTGT GCCTGGGTGC GCTGGCCGAG GCGTACCCCT  
121 CCAAGCCGGA CAACCCGGGC GAGGACGCAC CAGCGGAGGA CATGGCCAGA TACTACTCAG  
181 CGCTGCGACA CTACATCAAC CTCATCACCA GGCAGAGgtg ggtgggaccg cgggaccgat  
241 tccggga

## EXON 3 (M14297)

1 acttgcttta aaagactttt ttttttccag ATATGGAAAA CGATCTAGCC CAGAGACACT  
61 GATTTGAGAC CTCTTGATGA GAGAAAGCAC AGAAAATGTT CCCAGAACTC Ggtatgacaa  
121 ggcttgtgat ggggacattg tt

## EXON 4 (M14298)

1 CCTTACATGC TTTGCTTCTT ATGTTTTACA Ggcttgaaga ccctgcaatg tggatgatggg  
61 aaatgagact tgctctctgg ccttttcccta ttttcagccc atatttcatc gtgtaaaacg  
121 agaatccacc catcctacca atgcatgcag ccactgtgct gaattctgca atgttttccct  
181 ttgtcatcat tgtatatatg tgtgtttaaa taaagtatca tgcattcaaa agtgtatcct  
241 cctcaatgaa aaatctatta caatagttag gattattttc gttaaactta ttattaacaa

FIG. 1b

## HUMAN NEUROPEPTIDE Y (NPY) mRNA

K01911

1    accccatccg ctggctctca cccctcggag acgctcgccc gacagc<sup>c</sup>atag tacttgccgc  
61    ccagccacgc ccgcgcgcca gccaccatgc taggtaacaa gcgac<sup>c</sup>gggg ctgtccggac  
121    tgaccctcgc cctgtccctg ctcgtgtgcc tgggtgcgct ggccgaggcg taccctcca  
181    agccggacaa cccgggcgag gacgcaccag cggaggacat ggccagatac tactcggcgc  
241    tgcgacacta catcaacctc atcaccaggc agagatatgg aaaacgatcc agcccagaga  
301    cactgatttc agacctcttg atgagagaaa gcacagaaaa tgttcccaga actcggcttg  
361    aagaccctgc aatgtggtga tgggaaatga gacttgctct ctggcctttt cctattttca  
421    gcccatattt catcgtgtaa aacgagaatc cacccatcct accaatgcat gcagccactg  
481    tgctgaattc tgcaatgttt tcctttgtca tcattgtata tatgtgtgtt taaataaagt  
541    atcatgcatt c

FIG. 1c

103260 663260